C) a vapor guide defining a vapor path along which it directs to the at least one condensation chamber vapor thereby produced in the at least one evaporation chamber.

Please replace claim 2 with the following amended version thereof to incorporate the revisions set forth on the accompanying mark-up page:

A2

2. (Amended) An evaporator-and-condenser unit as defined in claim 1 wherein each said at least one evaporation chamber's irrigation rate reaches its peak irrigation rate periodically.

Please replace claim 4 with the following amended version thereof to incorporate the revisions set forth on the accompanying mark-up page:

4. (Amended) An evaporator-and-condenser unit as defined in claim 3 wherein each said at least one evaporation chamber's irrigation rate reaches its peak irrigation rate periodically.

A3

Please replace claim 5 with the following amended version thereof to incorporate the revisions set forth on the accompanying mark-up page:

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5. (Amended) An evaporator-and-condenser unit as defined in claim 1 wherein the irrigation system includes:

A) a main sprayer system that irrigates each said at least one evaporation chamber for at least the majority of the time; and

B) an auxiliary sprayer system that irrigates each said at least one evaporation chamber for only a minority of the time, the rate at which each said at least one evaporation chamber is irrigated while the auxiliary sprayer system is irrigating it being at least twice the average irrigation rate thereof.

Please replace claim 6 with the following amended version thereof to incorporate the revisions set forth on the accompanying mark-up page:

6. (Amended) An evaporator-and-condenser unit as defined in claim 5 wherein:

A) the evaporator-and-condenser unit includes a plurality of said evaporation chambers;

B) the auxiliary sprayer system includes at least one auxiliary-system nozzle, associated with at least some of said evaporation chambers, from which the auxiliary sprayer system produces an auxiliary-system spray; and

C) for each of the evaporation chambers with which the auxiliary-system nozzle is associated, the auxiliary-system nozzle executes reciprocation between positions in which the auxiliary-system spray irrigates that evaporation chamber and positions in which the auxiliary-system spray does not irrigate that evaporation chamber.

Please replace claim 11 with the following amended version thereof to incorporate the revisions set forth on the accompanying mark-up page:

11. (Amended) An evaporator-and-condenser unit as defined in claim 1 wherein the heat exchanger is a rotary heat exchanger in which the heat-transfer surfaces are mounted for rotation about a central cavity from which the irrigation system irrigates the at least one evaporation chamber.

Please replace claim 13 with the following amended version thereof to incorporate the revisions set forth on the accompanying mark-up page:

13. (Amended) An evaporator-and-condenser unit as defined in claim 11 wherein the irrigation system includes:

A) a main sprayer system that irrigates each said at least one evaporation chamber for at least the majority of the time; and

B) an auxiliary sprayer system that irrigates each said at least one evaporation chamber for only a minority of the time, the rate at which each said at least one evaporation chamber is irrigated while the auxiliary sprayer system is irrigating it being at least twice the average irrigation rate thereof.

Please replace claim 15 with the following amended version thereof to incorporate the revisions set forth on the accompanying mark-up page:

15. (Amended) An evaporator-and-condenser unit as defined in claim 13 wherein:

A) the evaporator-and-condenser unit includes a plurality of said evaporation chambers;

B) the auxiliary sprayer system includes at least one auxiliary-system nozzle, associated with at least some of said evaporation chambers, from which the auxiliary sprayer system produces an auxiliary-system spray; and

C) for each of the evaporation chambers with which the auxiliary-system nozzle is associated, the auxiliary-system nozzle executes reciprocation between positions in which the auxiliary-system spray irrigates that evaporation chamber and positions in which the auxiliary-system spray does not irrigate that evaporation chamber.

Please replace claim 16 with the following amended version thereof to incorporate the revisions set forth on the accompanying mark-up page:

16. (Amended) An evaporator-and-condenser unit as defined in claim 15 further including a compressor so interposed in the vapor path as to make the vapor pressure in the at least one condensation chamber exceed that in the evaporation chambers.

Please replace claim 17 with the following amended version thereof to incorporate the revisions set forth on the accompanying mark-up page:

17. (Amended) An evaporator-and-condenser unit as defined in claim 1 wherein:

A) the peak irrigation rate for each said at least one evaporation chamber exceeds the steady-state rate required to keep the heat-transfer surfaces thereof wetted; and

B) the average irrigation rate for each said at least one evaporation chamber is no more than half the steady-state rate required to keep the heat-transfer surfaces of that evaporation chamber wetted.

Please replace claim 18 with the following amended version thereof to incorporate the revisions set forth on the accompanying mark-up page:

18. (Amended) An evaporator-and-condenser unit as defined in claim 17 wherein each said at least one evaporation chamber's irrigation rate reaches its peak irrigation rate periodically.

Please replace claim 20 with the following amended version thereof to incorporate the revisions set forth on the accompanying mark-up page:

20. (Amended) An evaporator-and-condenser unit as defined in claim 17 wherein the irrigation system includes:

A) a main sprayer system that irrigates each said at least one evaporation chamber for at least the majority of the time; and

B) an auxiliary sprayer system that irrigates each said at least one evaporation chamber for only a minority of the time, the rate at which each said at least one evaporation chamber is irrigated while the auxiliary sprayer system is irrigating it being at least twice the average irrigation rate thereof.

Please replace claim 22 with the following amended version thereof to incorporate the revisions set forth on the accompanying mark-up page:

22. (Amended) An evaporator-and-condenser unit as defined in claim 20 wherein:

A) the evaporator-and-condenser unit includes a plurality of said evaporation chambers;

B) the auxiliary sprayer system includes at least one auxiliary-system nozzle, associated with at least some of said evaporation chambers, from which the auxiliary sprayer system produces an auxiliary-system spray; and

C) for each of the evaporation chambers with which the auxiliary-system nozzle is associated, the auxiliary-system nozzle executes reciprocation between positions in which the auxiliary-system spray irrigates that

evaporation chamber and positions in which the auxiliary-system spray does not irrigate that evaporation chamber.

Please replace claim 24 with the following amended version thereof to incorporate the revisions set forth on the accompanying mark-up page:

24. (Amended) An evaporator-and-condenser unit as defined in claim 17 wherein the heat exchanger is a rotary heat exchanger in which the heat-transfer surfaces are mounted for rotation about a central cavity from which the irrigation system irrigates the at least one evaporation chamber.

Please replace claim 28 with the following amended version thereof to incorporate the revisions set forth on the accompanying mark-up page:

28. (Amended) An evaporator-and-condenser unit as defined in claim 26 wherein:

A) the evaporator-and-condenser unit includes a plurality of said evaporation chambers;

B) the auxiliary sprayer system includes at least one auxiliary-system nozzle, associated with at least some of said evaporation chambers, from which the auxiliary sprayer system produces an auxiliary-system spray; and

C) for each of the evaporation chambers with which the auxiliary-system nozzle is associated, the auxiliary-system nozzle executes reciprocation between positions in which the auxiliary-system spray irrigates that evaporation chamber and positions in which the auxiliary-system spray does not irrigate that evaporation chamber.